

M A T E R I A L S A F E T Y D A T A S H E E T

CIBA-GEIGY CORPORATION
PLASTICS & ADDITIVES DIVISION
THREE SKYLINE DRIVE
HAWTHORNE, NEW YORK 10532

EMERGENCY PHONE NUMBERS:
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SECTION I-IDENTITY INFORMATION

IDENTITY (TRADE NAME): REN SHAPE (R) 450

FAMILY/CHEMICAL NAME:

CURED POLYURETHANE

PRODUCT TYPE:

MODELING STOCK

IMPORTANT:

* THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS *
* FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES OR *
* ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS *
* SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF *
* SUCH POTENTIAL USES, CIBA-GEIGY CORPORATION IS NOT ABLE *
* TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR *
* SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES. *

HAZARD STATEMENT :

* THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN *
* PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD *
* COMMUNICATION STANDARD 29 CFR 1910.1200. *
* THIS PRODUCT IS NOT CONSIDERED TO BE A HAZARDOUS *
* CHEMICAL UNDER THAT STANDARD. *

SECTION III-PHYSICAL DATA

APPEARANCE:

BROWN SOLID.

PERCENT VOLATILE:

0%

SOLUBILITY IN WATER:

INSOLUBLE.

REN SHAPE (R) 450

SPECIFIC GRAVITY:
0.67 (WATER = 1)

----- SECTION IV-FIRE AND EXPLOSION HAZARD DATA -----

EXTINGUISHING MEDIA:

CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER.

FIRE FIGHTING PROCEDURES-SPECIAL:

USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

----- SECTION V-REACTIVITY DATA -----

STABILITY:

STABLE.

CONDITIONS TO AVOID:

EXCESSIVE HEAT FOR PROLONGED PERIODS OF TIME.

INCOMPATIBILITY:

STRONG OXIDIZERS, ACIDS AND BASES.

HAZARDOUS DECOMPOSITION PRODUCTS:

COMBUSTION MAY FORM TOXIC MATERIALS. CARBON MONOXIDE, CARBON DIOXIDE, BENZENE, TOLUENE, OXIDES OF NITROGEN, HYDROGEN CYANIDE.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

----- SECTION VI-HEALTH HAZARD DATA -----

PRIMARY ROUTES OF EXPOSURE:

DERMAL OR INHALATION

DERMAL; HEATED PRODUCT MAY PRODUCE INHALABLE VAPORS.

THRESHOLD LIMIT VALUE:

NONE ESTABLISHED FOR THIS PRODUCT. SEE THE HAZARDOUS INGREDIENTS SECTION.

EYE IRRITATION:

DUST DUE TO MACHINING MAY CAUSE IRRITATION.

OVEREXPOSURE EFFECTS:

CURED POLYURETHANE RESINS ARE PRACTICALLY INERT SUBSTANCES WITH NO DEGREE OF TOXICITY.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

SKIN AND EYE CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES-EYES:

IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.

CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES-SKIN:

WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE.

EMERGENCY AND FIRST AID PROCEDURES-INGESTION:

IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION.

EMERGENCY AND FIRST AID PROCEDURES-INHALATION:

REMOVE TO FRESH AIR. GIVE OXYGEN AND/OR ARTIFICIAL

REN SHAPE (R) 450

RESPIRATION, IF NEEDED. CALL A PHYSICIAN.
EMERGENCY AND FIRST AID PROCEDURES-OTHER:
REFERRAL TO A PHYSICIAN IS RECOMMENDED IF THERE IS ANY
QUESTION ABOUT THE SERIOUSNESS OF ANY INJURY.

----- SECTION VII-SPILL OR LEAK PROCEDURES -----

SPILL PROCEDURES:

SWEEP UP INTO APPROVED DISPOSAL CONTAINER.
THOROUGHLY VACUUM AREA. DO NOT CREATE DUSTY CONDITION.

WASTE DISPOSAL METHODS:

CONSULT QUALIFIED LOCAL OR CORPORATE PERSONNEL FOR METHOD
THAT WILL COMPLY WITH LOCAL, STATE AND FEDERAL HEALTH AND
ENVIRONMENTAL REGULATIONS.

----- SECTION VIII-SPECIAL PROTECTION INFORMATION -----

VENTILATION:

GENERAL MECHANICAL AND LOCAL EXHAUST IN ACCORDANCE WITH
ACGIH RECOMMENDATIONS.

PROTECTIVE GLOVES:

WEAR GLOVES AS A STANDARD HANDLING PROCEDURE.

EYE PROTECTION:

WEAR CHEMICAL GOGGLES TO PROTECT AGAINST DUST PARTICLES.

RESPIRATORY PROTECTION:

USE NIOSH APPROVED DUST MASK, IF REQUIRED.

----- SECTION IX-SPECIAL PRECAUTIONS -----

HANDLING, SHIPPING AND STORING PRECAUTIONS:

CAUTION IN ACCORD WITH GOOD INDUSTRIAL PRACTICE, HANDLE
WITH DUE CARE. AVOID CONTACT WITH EYES, SKIN,
AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

HANDLING PRECAUTIONS:

NUISANCE DUST MAY BE GENERATED WHEN SANDING OR SAWING
CURED MATERIAL.

----- SECTION X- REGULATORY INFORMATION -----

RCRA STATUS:

NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261).

TSCA INVENTORY STATUS:

CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

ISSUE DATE: 05/15/86 REVISION: 02C ISSUED BY: M. MUNSELL
FOR FURTHER INFORMATION, PLEASE CONTACT: ALAN TAYLOR

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REN SHAPE (R) 450